

# TANUJA PYNENI

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## WORK EXPERIENCE

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### AppsTek Corp: IntelOps: Full Stack Developer

2023 – Current

- Developed and implemented a streamlined coding process, resulting in a 20% increase in productivity and reduced debugging time by 30%.
- Leading a team of 4 onsite and offshore (India) teams on Sass based product website that simplifies cloud native technology.
- Created a UI template with dynamic react components for all IntelOps UI designs reducing more than 50% of work when designing new webpages in the future.
- Working on creating A.I. based framework to democratize cloud native open-source solutions for software companies.
- Wrote blogs and documented all the UI templates that can be used in multiple front-end designs while developing the product website.
- Researched and analyzed industry trends to generate compelling blog content for multiple front-end technologies, resulting in a 30% increase in website traffic.

### University of North Texas: Graduate Teaching Assistant

2021-2022

- Collaborated with three Professors as a Teaching assistant over the period of 3 semesters to identify areas of difficulty for students and used targeted tutoring sessions, increasing the class average by 20%.
- Assisted courses: Human Computers and Interfaces, Secure E-commerce, and Fundamentals of Databases.
- Graded student quizzes, assignments, and exams in these courses.
- Oversaw and managed classes with over 150 students each, helping and guiding them in the course work.

### AppsTek Corp: Full Stack Developer

2020

- Developed and implemented the product website using Angular, resulting in a 50% increase in user engagement and a 25% decrease in bounce rate.
- Developed and implemented a user-friendly web and mobile application for a construction company, streamlining inventory management processes and reducing product purchase errors by 35%.
- Collaborated with cross-functional teams to gather requirements, design wireframes, and conduct usability testing, resulting in an application with a 90% user satisfaction rate.

## TECHNICAL SKILLS

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**Programming Languages:** Python, Java, C, C++, JavaScript, Node.js

**Web Technologies:** HTML, CSS, SQLite, Angular, Next.js

**Database Technologies:** MySQL

**IDEs:** Visual Studio Code, Eclipse, NetBeans, Atom

**Tools & Technologies:** AWS, Tableau, Cypress, Jest, Jira, Android Studio, Anaconda, SAS studio, GitHub, Jupyter Notebook, Confluence

**API:** Postman

**Microsoft Office Suite:** Word, Excel, PowerPoint, Outlook, Teams

**Certifications:** Python for Everybody Specialization (Coursera), AWS Cloud Practitioner

## EDUCATION

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### Master's Computer Science, University of North Texas, United States

GPA: 3.86/4.0

Relevant Courses: Computer Networks, Computer Forensics, Graph Theory, Introduction to Big Data and Data Science, Scientific Data Visualization, Methods of Empirical Analysis, Fundamentals of Databases, Software Engineering

### Bachelors, Computer Science Engineering, Vidya Jyothi Institute of Technology, India

GPA: 8.70/10.0

Relevant Courses: Data Structures & Algorithms, OOPS with C++, Formal Languages and Automata Theory, Design and Analysis of Algorithms, Operating Systems, Big Data Analytics, Internet Security, Cloud Computing.

## RELAVANT PROJECTS

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### **Penna Care – Web and Mobile application, Full stack Developer**

- The main idea of the product was to create an application that our client (cement company) and their dealers can use to place orders and keep track of things online.
- The project helps the client company to track its dealers, their orders, sales, and the profits they make, increasing their sales by 20%.
- The dealer can place orders, make payments, and get product updates on the app which increased efficiency by 75%.
- Used Angular for the UI of the application, Java, and Oracle for backend.
- Use Agile development methodologies and JIRA to keep track of work.

### **Hospital Management System, *Class Project***

- Developed a desktop application for a hospital to manage employee and patient details and appointments.
- The idea was to create an admin in this case the receptionist is the admin and can manage patient appointments, view and update patient details, and prescriptions, update employee details and so on.
- Used Jframes for the project.

### **Student Performance Prediction, Undergrad *Class Project***

- Developed an innovative web-based application for an educational institution to identify the students who have difficulty in a particular subject to help them improve in it. We found 60% accuracy in the predictions and if implemented, based on the tests we can see a 40% improvement in the test students.
- The project mainly deals with Neural Networks algorithm in machine Learning to predict a student's performance based on their past performances and some demographic attributes.